

PI 583344. *Zea mays* L. ssp. *mays*

Cultivated. 36; Maurice. Collected 03/19/1994 in Reunion. Market in St. Pierre. Grown in St. Joseph. Not imported variety. Sold both fresh and dry. Kernels golden yellow. Size of ears varied considerably and several stubby ears were observed. Collected two with 14 straight rows of -27 kernels each and one with 12 straight rows of -14 kernels each.

PI 583345. *Zea mays* L. ssp. *mays*

Cultivated. 37. Collected 03/19/1994 in Reunion. Market in St. Pierre. Grown in la Crete north of St. Joseph. Not imported variety. Sold dry only. Size of ears fairly uniform, 12-14cm long x 4.5-5cm wide. Collected two ears with 14 rows of -26 kernels, 1 golden and the other bronze, and one ear with 10 rows of -31 kernels, yellow.

PI 583346. *Zea mays* L. ssp. *mays*

Cultivated. 38; Tit Mai's. Collected 03/19/1994 in Reunion. Market in St. Pierre. Grown in Entre Deux by M. Vitez. Not imported variety. Maturity 4 months in rainy season and 6 months in dry season. Ears varied in size, but in general smaller than most varieties observed. Kernels yellow. Two ears collected, one 10cm long x 3.7cm wide, very irregular rows; other 13.5cm long x 4cm wide with 14 straight rows of -30 kernels.

The following were donated by David D. Baltensperger, University of Nebraska, Panhandle Res. & Ext. Center, 4502 Avenue I, Scottsbluff, Nebraska 69361-4939, United States. Received 06/15/1994.

PI 583347. *Panicum miliaceum* L.

Cultivar. "SUNRISE"; 860053; NE860053. Pedigree - NE83014/NE83007. Seed coat (lemma and palea) white. Panicle compactum (closed). Foliage green, similar to Sunup. Yield potential 4% more than Sunup and Rise, and 50% more than Dawn. Relative yield expected to be better than other cultivars. Maturity similar to Rise and Sunup. Seed size (685 seeds per 5g) similar to Earlybird and 8% larger than Sunup. Grain volume weight (713gl-1) not significantly different from Sunup (711 gl-1). Straw strength similar to Sunup. Less susceptible to lodging than Panhandle, Cope, Abarr, or Snowbird. Plant height intermediate between Rise & Earlybird.

PI 583348. *Panicum miliaceum* L.

Breeding. NE1; 860203; NE860203. Pedigree - NE83014/NE83019. Seed coat (lemma and palea) white. Panicle compactum (closed). Foliage green, similar to Sunup. Yield potential 4% more than Sunup and Rise, and 50% more than Dawn. Relative yield expected to be better than other cultivars. Maturity similar to Rise and Sunup. Very short and serves as source of high yield potential with short plant height. Dawn is only cultivar with shorter plant height. Seed size (744 seeds per 5g) similar to Sunup and 8% smaller than Huntsman. Grain volume weight (715 gl-1) not significantly different from Sunup (711 gl-1). Straw strength similar to Sunup.

The following were developed by Anna McClung, USDA, ARS, Rice Research Station, Route 7, Box 999, Beaumont, Texas 77713, United States. Received 06/16/1994.

PI 583349. *Oryza sativa* L.

Breeding. RU8803072. Pedigree - (CI 9881/PI 331581//L201)RU8303116/Lemont (PI 475833). Long grain rice with improved yield potential and moderate resistance to prevalent U.S. races of blast (*Pyricularia grisea*). Plant type semidwarf (93cm). Highly susceptible to sheath blight fungus (*Rhizoctonia solani*). Matures in 129 days. Milling